

RUBRIC FOR ASSESSING LAB REPORTS

not intended for grading purposes

NOTE: it is assumed that all lab reports will be word-processed

	1 Beginning or incomplete	2 Developing	3 Accomplished	4 Exemplary	Score
Abstract/Summary	Several major aspects of the experiment are missing, student displays a lack of understanding about how to write an abstract	Abstract misses one or more major aspects of carrying out the experiment or the results	Abstract references most of the major aspects of the experiment, some minor details are missing	Abstract contains reference to all major aspects of carrying out the experiment and the results, well-written	
Introduction	Very little background information provided or information is incorrect	Some introductory information, but still missing some major points	Introduction is nearly complete, missing some minor points	Introduction complete and well-written; provides all necessary background principles for the experiment	
Experimental procedure	Missing several important experimental details or not written in paragraph format	Written in paragraph format, still missing some important experimental details	Written in paragraph format, important experimental details are covered, some minor details missing	Well-written in paragraph format, all experimental details are covered	
Results: data, figures, graphs, tables, etc.	Figures, graphs, tables contain errors or are poorly constructed, have missing titles, captions or numbers, units missing or incorrect, etc.	Most figures, graphs, tables OK, some still missing some important or required features	All figures, graphs, tables are correctly drawn, but some have minor problems or could still be improved	All figures, graphs, tables are correctly drawn, are numbered and contain titles/captions.	
Discussion	Very incomplete or incorrect interpretation of trends and comparison of data indicating a lack of understanding of results	Some of the results have been correctly interpreted and discussed; partial but incomplete understanding of results is still evident	Almost all of the results have been correctly interpreted and discussed, only minor improvements are needed	All important trends and data comparisons have been interpreted correctly and discussed, good understanding of results is conveyed	
Conclusions	Conclusions missing or missing the important points	Conclusions regarding major points are drawn, but many are misstated, indicating a lack of understanding	All important conclusions have been drawn, could be better stated	All important conclusions have been clearly made, student shows good understanding	
Spelling, grammar, sentence structure	Frequent grammar and/or spelling errors, writing style is rough and immature	Occasional grammar/spelling errors, generally readable with some rough spots in writing style	Less than 3 grammar/spelling errors, mature, readable style	All grammar/spelling correct and very well-written	
Appearance and formatting	Sections out of order, too much handwritten copy, sloppy formatting	Sections in order, contains the minimum allowable amount of handwritten copy, formatting is rough but readable	All sections in order, formatting generally good but could still be improved	All sections in order, well-formatted, very readable	

ABET Lab Report Rubric Assessment Data Report Format

Title of Lab: _____

Submit one spreadsheet for each lab report, and one summary spreadsheet containing the totals for the entire semester

	Students					
Item from rubric	1	2	3etc.	Average	% of students with 3 or 4
Abstract/Summary						
Introduction						
Experimental procedure						
Results: data, figures, graphs, tables, etc.						
Discussion						
Conclusions						
Spelling, grammar, sentence structure						
Appearance and formatting						
TOTAL for each student						

Exam/Homework Problems for ABET Assessment Data Report Format

Submit one spreadsheet for each ABET outcome

ABET Outcome being assessed: _____

Item	Student 1	Student 2	Student 3etc.	% of student answering correctly
*Exam 1, problem 2	1**	0**	1**		
*Exam 2, problem 4					
etc.					
*Homework 1, problem 2					
*Homework 2, problem 4					
etc.					
% correct for each student					Overall % correct here

*Include a brief description of what each item is intended to test, i.e. "Structure-property relationships , glass transition".

**Assign "1" if problem is essentially correct, assign "0" if not correct.